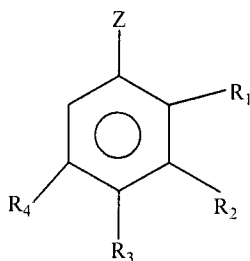


In The Claims

1. (Original) A molecular composite composed of a core molecule having one or more active sites, and having a plurality of smaller molecular weight labile residues reversibly attached to the core molecule, the attachment of said labile residues causing an alteration of the ability of the core molecule to provide the activity associated with said active site or sites, the labile residue or residues being dissociable from the core molecule by exposure of the molecular composite to electromagnetic energy so as to result in at least restoration of the activity associated with said active site (s).

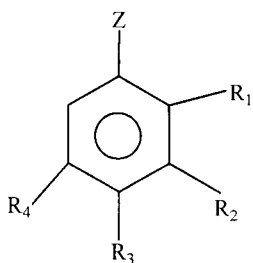
2. to 14. (Previously Canceled)

15. (Presently Amended) ~~A product or a method~~ The composite according to claim 1 wherein the electromagnetically labile residue comprises:

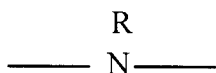


wherein $R_1 = \text{H}$ or NO_2 ; $R_2 = \text{H}$, N_3 , NO_2 or OCH_3 ; $R_3 = \text{H}$, OCH_3 , NO_2 and $R_4 = \text{H}$, NO_2 or OCH_3 ; and preferably wherein at least one of R_1 , R_2 , R_3 and R_4 is NO_2 ; and Z is $\text{CH}(\text{R}_5)\text{OH}$ – with $\text{R}_5 = \text{H}$, CH_3 , C_2H_5 , or an aryl group such as *o*-nitrobenzyl or phenyl; a glycol such as ethylene glycol an oxycarboxyl group formula $-\text{R}_6-\text{O}-\text{CO}-$ with $\text{R}_6 =$ a bond, or a straight or branched lower alkyl group (ie with 1 to 6 carbon atoms, preferably 1 to 3 carbon atoms); an aryl

group such as -CO-Y with Y =

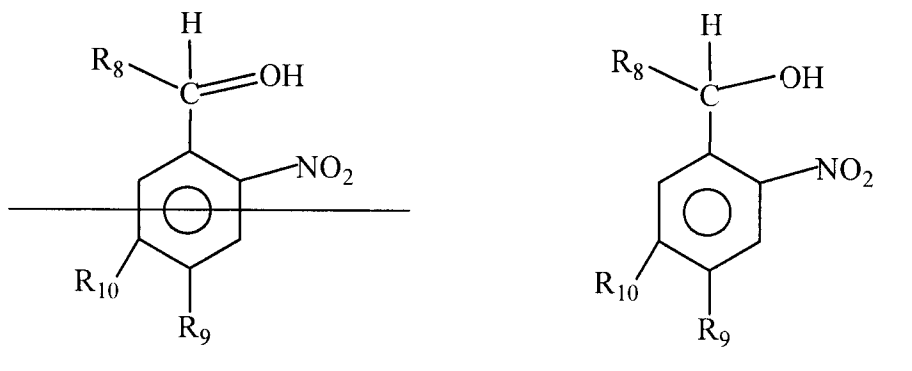


where R = H or CH₃; -S-; or



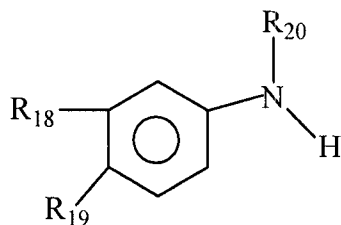
with R, = lower alkyl group, cyclohexyl, or an aryl groups such as benzyl or -CH₂-C₆H₆.

16. (Presently Amended) ~~A product or a method~~ The composite according to claim 1 wherein said electromagnetically labile residue comprises



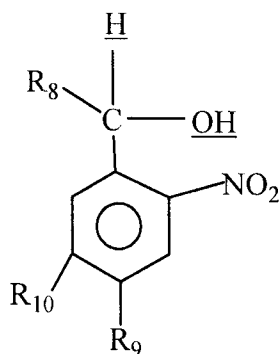
wherein R₈ = H, CH₃, C₂H₅; o-nitrobenzyl, phenyl; and R₉ and R₁₀ are, independently, H or -OCH₃, or sites for irreversible protein or antibody coupling.

17. (Presently Amended) ~~A product or a method~~ The composite according to claim 1 wherein said electromagnetically labile residue comprises



wherein R_{18} and R_{19} are, independently, H or $-OCH_3$, and R_{20} is CH_3 , C_4H_9 , cyclohexyl, benzyl or ~~phenyl~~ phenyl- CH_2 -.

18. (Presently Amended) ~~A product or a method~~ The composite according to claim 1 wherein said electromagnetically labile residue comprises



with $R_8 = H, CH_3$ or C_2H_5 and R_9 and ~~R_{20}~~ R_{10} = OCH_3 .

19. (Previously Presented) An antibody to which is attached a labile residue or residues which reduce the ability of the antibody to bind to its binding partner, the labile residue or residues being able to be disassociated from the antibody by exposure to electromagnetic radiation to restore binding ability of the antibody.

20. (Presently Amended) ~~An antibody~~ The composite according to claim 1, wherein the labile residue is 2-nitrobenzyloxycarbonyl.

21. (Previously Presented) The antibody according to claim 19 wherein the labile residue or residues is 2-nitrobenzyloxycarbonyl.

22. (Previously Presented) The composite according to claim 1 wherein the electromagnetic radiation is visible or uv light.

23. (Previously Presented) The antibody according to claim 19 wherein the electromagnetic radiation is uv light.